Networking a plurality of telephone devices with a precinct voting terminal having data entry and voice activation software

Registering voters with a voter registration number and name to form a database inputted into a remote central receiving and processing terminal

Creating an audio ballot for usage with the telephones, and inputting it into the precinct computer terminals

Forming a secure communication link between the voting computer terminals and the central receiving and processing terminal

Assigning voter access numbers to voters

Qualifying and allowing voters to vote on the telephones by entry of their registration numbers and voter access numbers

Verbally instructing the voter through the audio ballot and recording the voter choices

Computer tabulating the voter choices on the precinct terminal

Transmitting the precinct tabulations to the remote central receiving and processing terminal

FIG. 1

Election Direct Schematic
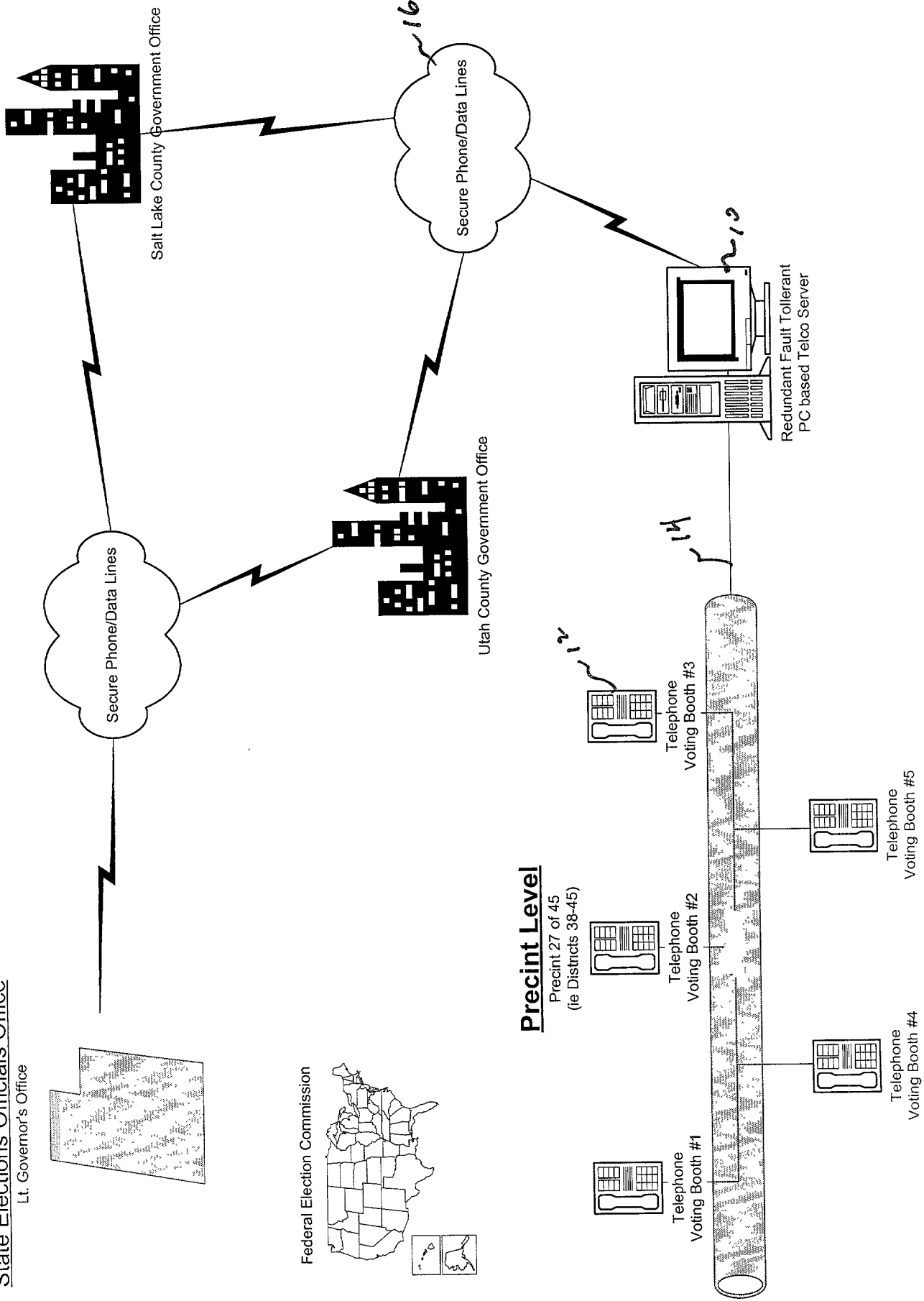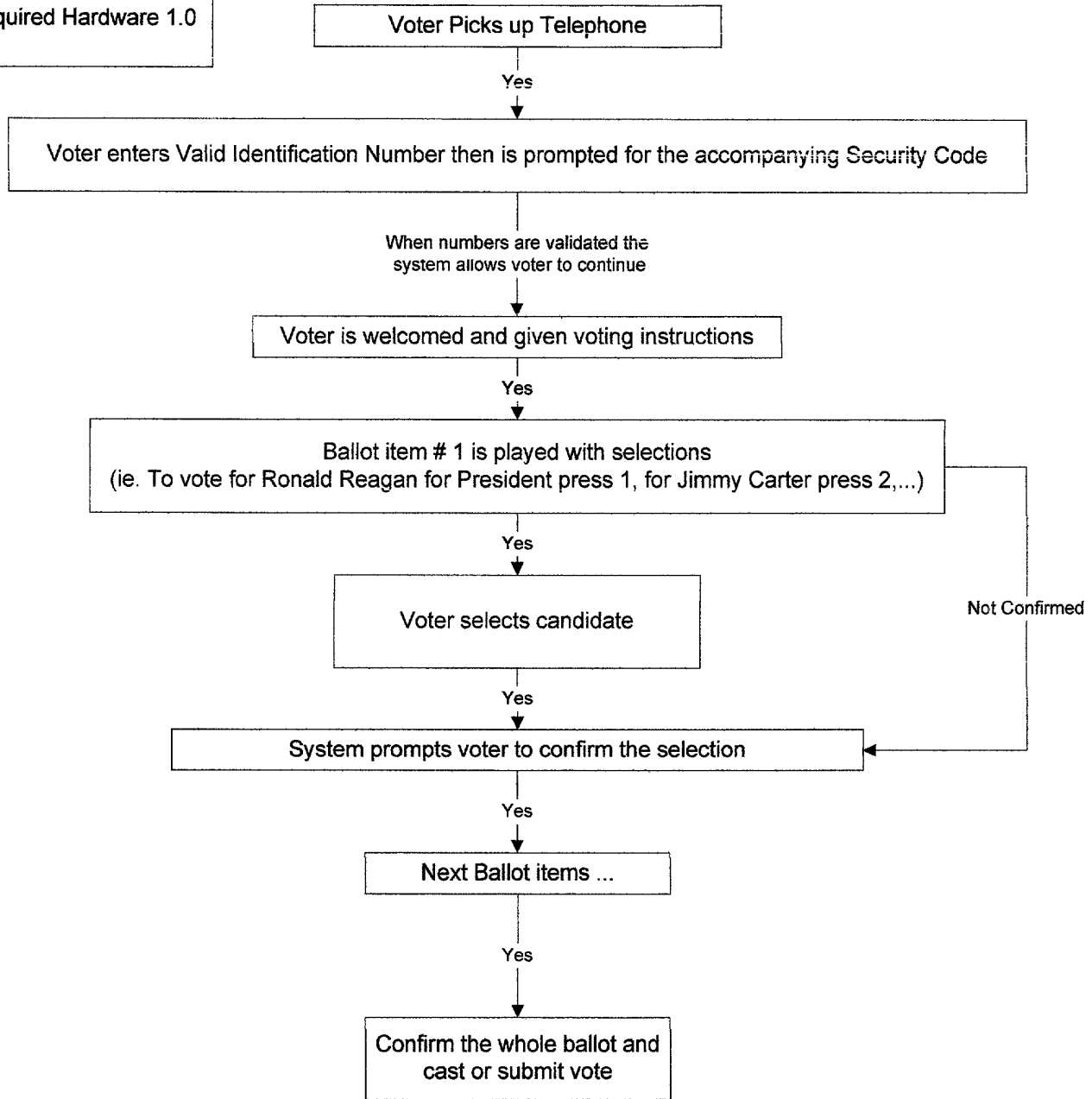rev 1.a

State Elections Officials Office
Lt. Governor's Office

Federal Election Commission

Salt Lake County Government Office

Secure Phone/Data Lines

Secure Phone/Data Lines

Utah County Government Office

Redundant Fault Tollerant
PC based Telco Server

Precint Level
Precint 27 of 45
(Ie Districts 38-45)

Telephone
Voting Booth #1

Telephone
Voting Booth #2

Telephone
Voting Booth #3

Telephone
Voting Booth #4

Telephone
Voting Booth #5

FIG. 2

| VoterPhone Flow &
required Hardware 1.0 |

Voter Picks up Telephone

Yes

Voter enters Valid Identification Number then is prompted for the accompanying Security Code

When numbers are validated the
system allows voter to continue

Voter is welcomed and given voting instructions

Yes

**Ballot item # 1 is played with selections
(ie. To vote for Ronald Reagan for President press 1, for Jimmy Carter press 2,...)**

Yes

Voter selects candidate

Yes

Not Confirmed

System prompts voter to confirm the selection

Yes

Next Ballot items ...

Yes

**Confirm the whole ballot and
cast or submit vote**

Hardware:

- Fault tolerant server i.e Dell xxx (dual power supplies, mirrored hard drives)
- Voice board(s) like Dialogic D/41-ESC or D240SC-T-1.
- Receipt tape type printer(s).
- Touch tone type phone(s).
- Barcode reader(s)
- Ring Down Circuits

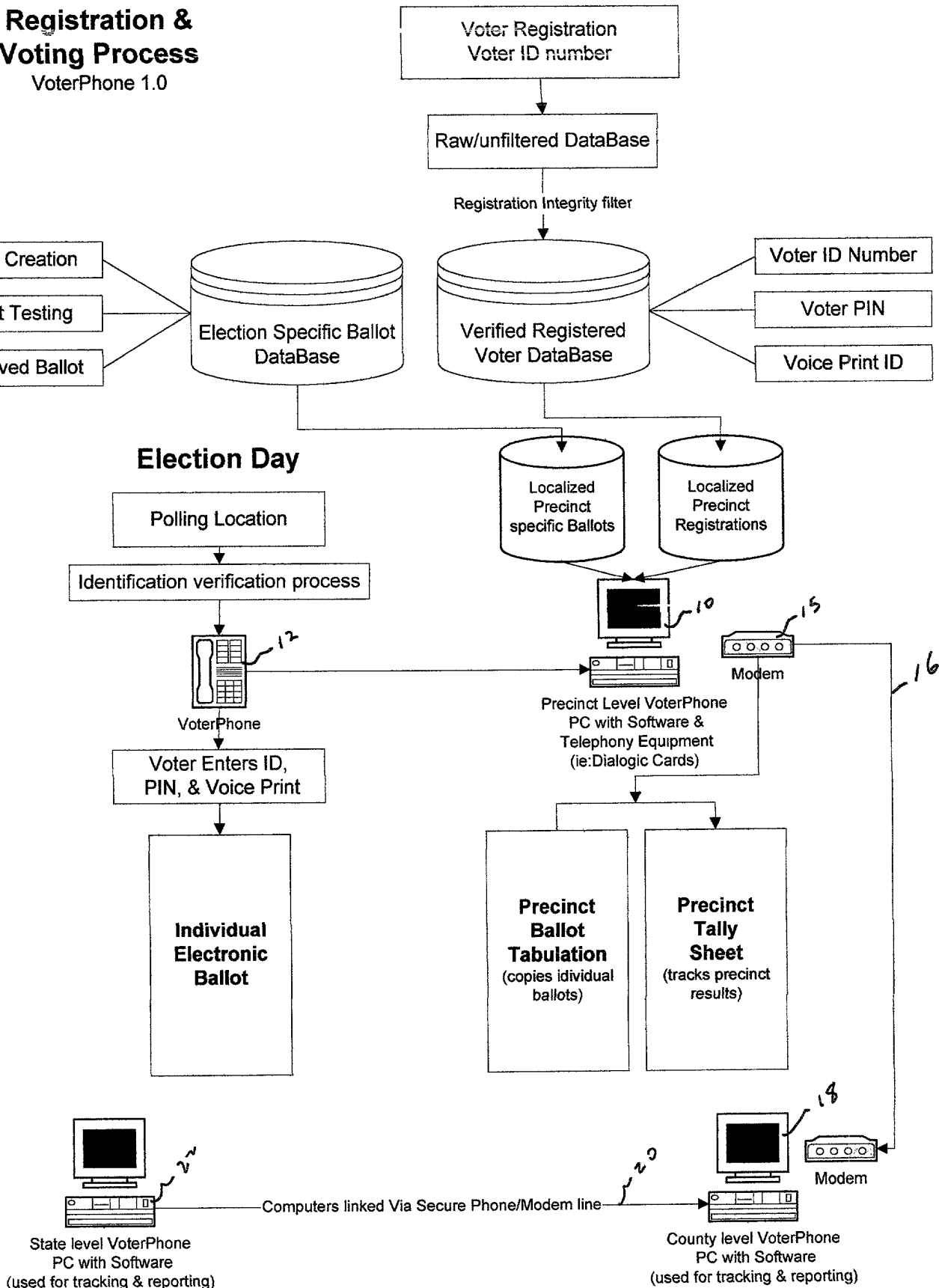*FIG. 3*

Registration & Voting Process
VoterPhone 1.0

Voter Registration
Voter ID number

↓

Raw/unfiltered DataBase

Registration Integrity filter ↓

| Ballot Creation |
| Ballot Testing |
| Approved Ballot |

→ Election Specific Ballot DataBase

Verified Registered Voter DataBase

| Voter ID Number |
| Voter PIN |
| Voice Print ID |

Election Day

Polling Location

↓

Identification verification process

↓

VoterPhone ~12

Voter Enters ID, PIN, & Voice Print

↓

Individual Electronic Ballot

Localized Precinct specific Ballots

Localized Precinct Registrations

~10

Precinct Level VoterPhone PC with Software & Telephony Equipment (ie:Dialogic Cards)

Modem ~15

~16

Precinct Ballot Tabulation
(copies idividual ballots)

Precinct Tally Sheet
(tracks precinct results)

~18

Modem

State level VoterPhone PC with Software (used for tracking & reporting)

~22

——Computers linked Via Secure Phone/Modem line—— ~20

County level VoterPhone PC with Software (used for tracking & reporting)

FIG. 4